

- 1 -

Figure 1

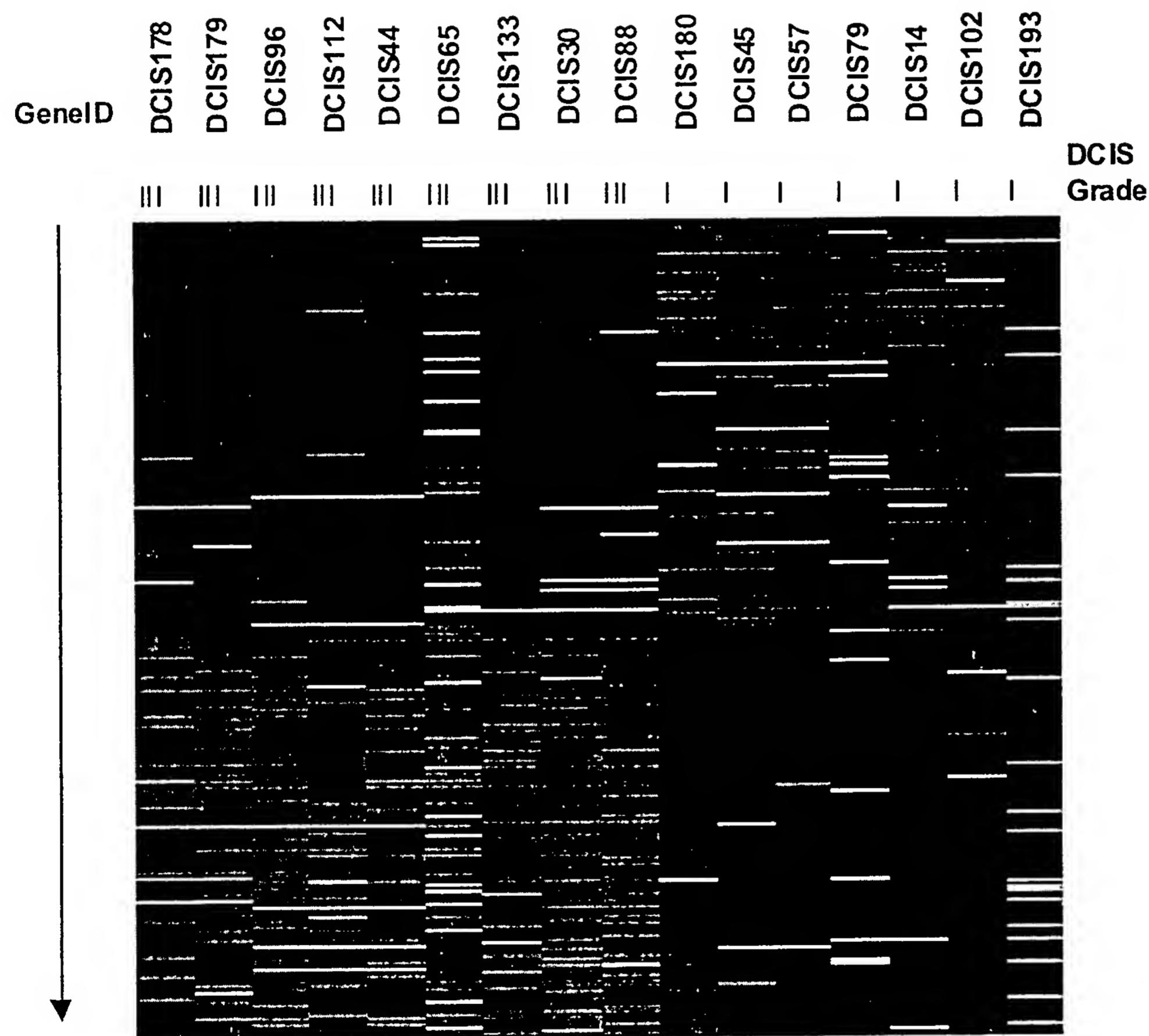
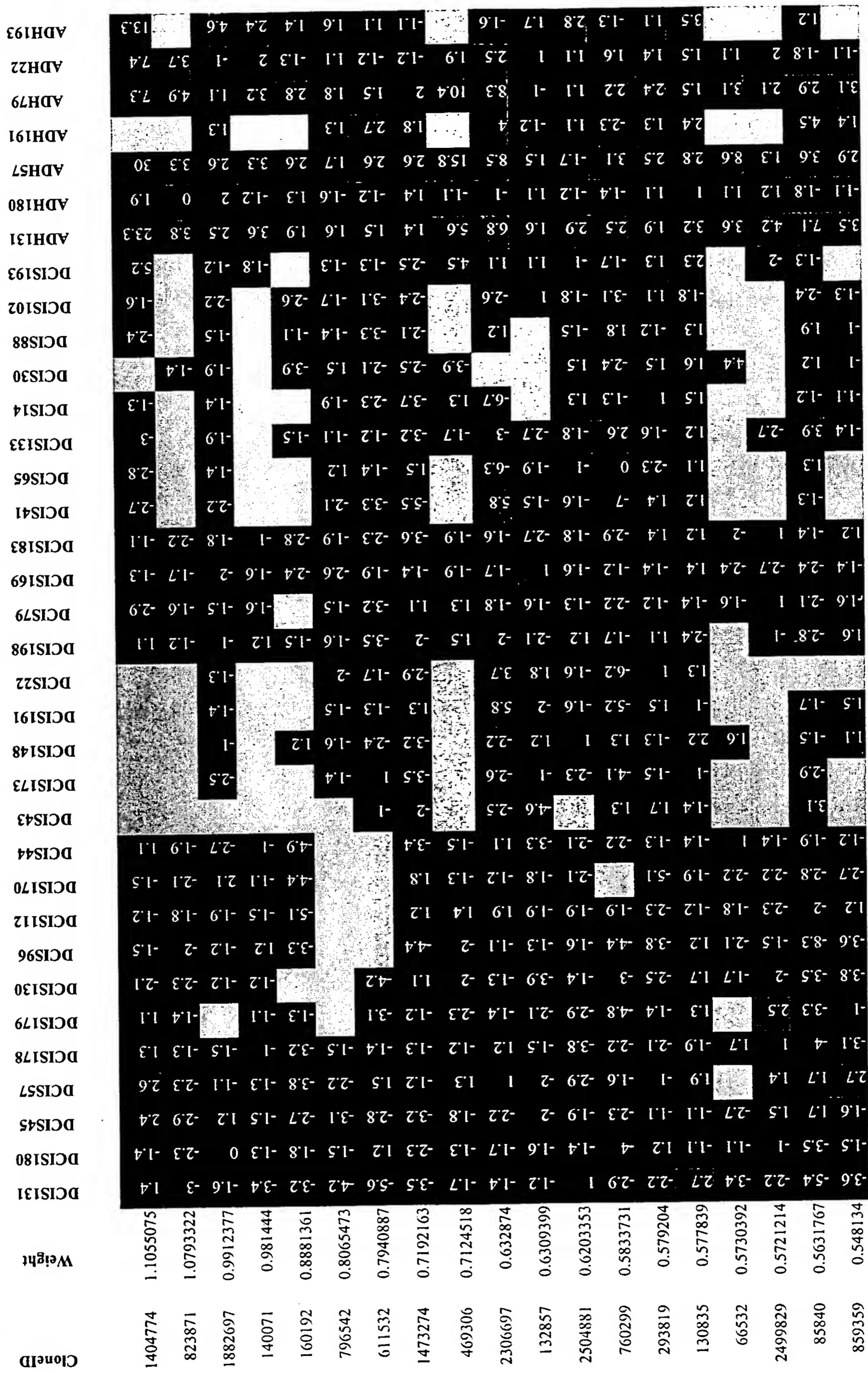


Figure 2

CloneID	Weight	CloneID	Weight
DCIS131	-5.6 -4.2 -3.2 -3.4 -1.6 -3	DCIS180	1.2 -1.5 -1.8 -1.3 0
DCIS45	-2.8 -3.1 -2.7 -1.5 1.2	DCIS57	1.5 -2.2 -3.8 -1.3 -1.1 -2.3 2.6 -2.7 -1.8 -2.3
DCIS178	-1.4 -1.5 -3.2 -1	DCIS179	-3.1 -1.3 -1.1 -1.1 -1.8 -1 -1.1
DCIS130	-4.2 -1.2 -1.2 -2.3 -2.1 3.1	DCIS199	-3.1 -1.5 -1.9 -1.8 -1.2 1.3 -1.2 1.6
DCIS96	-3.3 1.2 -1.2 -1.2 -2	DCIS112	-5.1 -1.5 -1.9 -1.8 -1.2 1.3 -1.2 1.6
DCIS110	-4.4 -1.1 2.1 -2.1 -1.5 1.2 1.8 1.6	DCIS170	-4.4 -1.1 2.1 -2.1 -1.5 1.2 1.8 1.6
DCIS44	-4.9 -1 -2.7 -1.9 1.1 1 1.3 1	DCIS43	-1 -1.4 2.1 -2.5 2.2
DCIS173	1 -1.4 -2.5	DCIS148	-2.4 -1.6 1.2 -1 -1.7
DCIS22	-1.7 -2	DCIS191	-1.3 -1.5 -1.6 -1.4 -1.9
DCIS198	-3.5 -1.6 -1.5 1.2 -1	DCIS79	-3.2 -1.5 -1.6 -1.5 -1.6 -2.9 1.1 -1.2 -1.3
DCIS169	-1.9 -2.6 -2.4 -1.6 -2	DCIS169	-1.9 -2.6 -2.4 -1.6 -2 -1.7 -1.3 2.6 1.7 2.9
DCIS183	-2.3 -1.9 -2.8 -1	DCIS183	-2.3 -1.9 -2.8 -1.8 -2.2 -1.1 2.5 1.1 1.5
DCIS41	-3.3 -2.1	DCIS41	-3.3 -2.1 -2.2 -2.7 -1.6 -2
DCIS65	-1.4 1.2	DCIS65	-1.4 -2.8 2.7 -1.7 2.6
DCIS133	-1.2 -1.1 -1.5	DCIS133	-1.2 -1.1 -1.5 -1.9
DCIS14	-2.3 -1.9	DCIS14	-2.3 -1.9 -1.4 -1.3 1
DCIS30	-2.1 1.5 -3.9	DCIS30	-2.1 1.5 -3.9 -1.9 -1.4 -3.9 2.2 5.7
DCIS88	-3.3 -1.4 -1.1	DCIS88	-3.3 -1.4 -1.1 -1.5 -2.4 4.5 1.6 9
DCIS102	-3.1 -1.7 -2.6	DCIS102	-3.1 -1.7 -2.6 -1.6 -1.3 1.7 1
DCIS193	-1.3 -1.3 -1.8 -1.2	DCIS193	-1.3 -1.3 -1.8 -1.2 -5.2 -1.2 4.1 -1.7
ADH131	1.5 1.6 1.9 3.6 2.5 3.8 23.3 3.1 -1.2 -1.5	ADH131	1.5 1.6 1.9 3.6 2.5 3.8 23.3 3.1 -1.2 -1.5
ADH180	-1.2 -1.6 1.3 -1.2 2	ADH180	-1.2 -1.6 1.3 -1.2 2 0 1.9 -1.9 -1.8 -1.9
ADH57	2.6 1.7 2.6 3.3 2.6 3.3 30 -3.3 -1.7 -1.9	ADH57	2.6 1.7 2.6 3.3 2.6 3.3 30 -3.3 -1.7 -1.9
ADH79	2.7 1.3	ADH79	2.7 1.3 -1.3 -1.5 -5.8
ADH22	-1.2 1.1 -1.3 2	ADH22	-1.2 1.1 -1.3 2 -1 3.7 7.4 -3.9 -2 -2
ADH193	1.1 1.6 1.4 2.4 4.6	ADH193	1.1 1.6 1.4 2.4 4.6 13.3 -1.2 -2.7 -3.1

Figure 3
ADH v. DCIS



200814	0.542916	825287	0.5360981	202577	0.5305076	2014373	0.5296731	153760	0.527858	377275	0.5260562	745490	0.511874	172783	0.5101968	1558108	0.4993921	1587710	0.4981132	141731	0.4927666	490484	0.4908894	504959	0.4895268	1609746	0.4833836	882248	0.4827533	1917449	0.4814639	2119838	0.481371	841507	0.4784381	813265	0.4778069	767202	0.4743393	1156538	0.4736984	39600	0.4711421	1630990	0.4703594
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731308	0.3152429	12	11	11	12	12	24	1	48	1	16	15	25	29	13	21	26	12	32	22	18	13	15	13	281
774471	0.3143101	16	12	12	11	11	2	1	12	1	12	17	13	16	18	14	19	2	17	19	12	14	31	13	13
811837	0.31417	16	12	12	11	11	2	1	12	1	12	17	13	16	18	14	19	2	17	19	12	14	31	13	13
714437	0.3137844	16	12	12	11	11	2	1	12	1	12	17	13	16	18	14	19	2	17	19	12	14	31	13	13
416959	0.3137184	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
681992	0.3131076	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
130201	0.3125162	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
363144	0.3121422	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
857874	0.3115687	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
377461	0.3114778	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
589115	0.3098502	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
241489	0.3096689	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
586725	0.3091061	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
283124	0.3084392	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
307328	0.3080939	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
37449	0.307755	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
50892	0.3067087	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
1897944	0.3056504	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
377314	0.3054619	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
220851	0.3054421	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
322233	0.3049209	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11
586803	0.303644	15	12	12	11	11	2	1	13	1	13	17	13	16	18	14	19	1	15	14	12	13	387	11	11

343695	414999	0.3018496	0.3013864	0.3012088	0.3003079	0.2999867	0.2990486	0.2989117	0.2988154	0.2987787	0.297328	0.297114	0.2943645	0.2943396	0.2941433	0.2939008	0.2936121	0.2933137	0.2931521	0.2930498	0.29302642	0.6989738	-0.6966722	-0.6572413	-0.6397996
13	1.1	1.8	1.7	1.6	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
14	1.6	1.1	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
15	1.1	1.4	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
16	1.6	1.2	1.8	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
17	1.4	1.8	1.2	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
18	1.1	1.2	1.6	3.4	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
19	2.3	1.3.9	2.2	4.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
20	1.9	2.1	2.5	1.1	4.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
21	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
22	1.4	2.3	1.4	5.3	2.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
23	1.3	1.2	1.6	3.4	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
24	1.2	1.1	1.3	1	2	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
25	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
26	1.1	2.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
27	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
28	1.9	2.1	2.5	1.1	4.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
29	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
30	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
31	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
32	1.9	2.1	2.5	1.1	4.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
33	2.7	2.7	2.6	1.1	1.7	4.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
34	3.5	3.9	2.2	5.7	4.9	2	4.3	1.9	6.9	1.2	1.4	1.4	1.1	1.7	1.1	1.2	1.9	3.9	1	6	2.9	3	1.4	1.9	
35	1.3	2.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
36	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
37	1.8	2.5	2.2	1.6	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
38	1.2	1.7	2.7	2.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
39	1.3	2.2	1.7	2.7	2.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
40	1.2	1.7	2.7	2.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
41	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
42	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
43	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
44	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
45	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
46	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
47	1.1	1.2	1.1	1.1	1.1	1.1	1.																		

66406	785840	210862	84295	429182	705064	782513	839682	768377	2309073	789376	1505038	196992	785707	109221	345787	46248	79520	469383	509588	292936	686172	788655
	-0.6236816	-0.6164946	-0.6121013	-0.5988522	-0.5953957	-0.5919532	-0.5842381	-0.5787071	-0.5722398	-0.5704492	-0.5442718	-0.5423234	-0.5412363	-0.5404492	-0.5426562	-0.5423234	-0.5295463	-0.5283572	-0.5278325	-0.5268638	-0.5202396	-0.5195435
	22	16	18	11	15	24	11	11	12	16	13	11	13	13	16	1	11	21	11	11	11	
	1.2	1.8	1.3	2.1	1.7	1.4	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.7	1.4	1	1	1.1	1.1	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	
	1.2	1.2	1.3	1.9	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	
	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	
	1.6	1.7	1.5	1.1	1.1	0	1.1	1.1	1.1	1.6	1.3	1.3	1.1	1.3	1.3	1.5	1.1	1.7	1.1	1.7	1.1	

770992	-0.5150824
1587847	-0.513261
79710	-0.5075821
2056566	-0.5015192
454339	-0.5014081
594226	-0.4993317
897813	-0.4988403
824694	-0.4978176
725454	-0.4956882
79254	-0.4950892
1472719	-0.4945719
725454	-0.4945719
289978	-0.4930315
155806	-0.4914168
147834	-0.4911983
26171	-0.4880202
2322367	-0.4870426
769921	-0.4864176
73009	-0.4848016
2014034	-0.4818256
359887	-0.4813873
488964	-0.4803612
1476065	-0.4796856
1422338	-0.4768716
5.4 -3	1 -1.5 -1.5 -2.4 -2.6 -1.4 -1.8 -2 -2.2 1.2 -1.8 -1.7 -2.5 -2.4 -2.5 -2.1 1 -2 -1.6 -2.6 -1.6
-3.6 -1.5 1.3 -1.3	-1.2 -2.4 -1.4 -1.5 1 -2.1 -1.1 -1.5 -1.1 -1.9 -1.6 -1.3 -1.3 -1.6 -1.5 1.2 -1.5 -1
-2.9 1.2 -1.8 -1.2 -2.4 -1.2 -2.3 -1.2 -1.3 -1.5 -1.4 -1.3 -1.3 -1.2 -1.8 -1.2 -1.7 -1.6 1 -1.3 -1.3 -1.1 -1.9	
-7.7 -1.4 2.1 1.3 -1.8 -2.8 -1.4 -3 -1.6 -1.7 -1.1 -2.3 -1.5 -2.7 -2.9 -2.2 -1.2 -2.4 -2.6 -2.7 -4.7 1.4	
-1.5 -2.6 -2.4 -1.8 -2 -1.2 -1.7 -1.5 -2.9 -2.1 1.1 -1.1 -1.5 -3.5 -1.5 -1.5 -1.6 -1.4 -1.1 -2.3 -2.2 -1.9 -2.7 -1.9	
-1.4 -1.6 -1.7 1.2 -1.1 1 -1.9 -1.2 -1.3 -1.2 -1.3 -2.5 -2.1 -1.2 -1.1 -2.5 -2 -1.9 -1.3 -1.3 -1.4 -2.6 -3.3	
-1.8 -2.2 -3.1 -1.1 1 -1.2 -1.2 -1.7 -2.1 1 -1.1 1.2 -1.6 -1.9 1.2 -1.2 -1.2 -1.4 -1.1 1 -1.5 -1.5 -2.5	
-7.1 1.3 1.3 1.1 -1.3 -1.3 -1 -1.4 2.7 -1.8 -1.4 1.4 -1.9 -1.6 -1.3 -1.3 -1.6 1.1 -1.8 -1.7 3.3	
1.1 1.8 3.9 1.2 -1.3 -1.1 1.2 -1.2 -1.1 1.7 -1.1 1.2 -1.6 -1.9 1.2 -1.2 -1.2 -1.4 -1.1 1 -1.5 -1.5 -2.5	
2.8 3.4 -1.1 1.8 3.1 3.5 2.6 -1.3 2.3 5.1 4.4 1.3 1 1.5 2.4 -2.6 2.5 1.9 1.4 2.7 3.3 1.7 1.2	
1.6 6 1 1.1 1.1 -1.3 7.5 1.7 -1.3 1 5 -1.2 1.4 1.7 7.7 -1.1 1.1 -1.2 1.1 7.3 2.9 4.5 2.7	
-2.2 1.8 1.3 -1 1.4 -1.1 -1.1 1.2 -1.3 2 -1.8 1.4 -1.5 1.2 -1.6 -2.2 1.3 1.1 -1.2 -1.4 -1.2 1.6	
2.5 5.6 1.9 1.6 2.4 1.6 2.9 -1.6 1.5 2.3 -1.3 1.3 1 7.8 2.4 1.9 3 -1.6 1.6 2.6 1.5 2.2 1.6	
2.2 23 5.8 1.5 1.2 -1.5 8.2 1.7 1 1.3 4.7 -2.3 2.1 9.5 2.8 1.2 -1.1 1.2 -1.1 1 1.7	
-3 2 -1.2 1.3 1.5 -1.1 -1.1 1.4 0 2.6 -1.2 1.6 -1.4 -1.5 -1.2 1.1 1.8 1.5 1.4 1.1 -1.3	
1.6 1.5 -1.2 2.2 1.7 -1.1 2.3 1.4 1.4 4.5 -1.8 2 1.1 1.4 -1.6 2 1.9 -1.1 1 1.7 1.4 2.5 1.4 2.2	
1.2 -1.3 2.9 -1.1 1.4 -1.4 3.6 1.2 1.7 1.7 1.1 -1.1 1.3 -1.6 1.5 1.2 1.1 -2.1 -1.1 -1.3 1.3 -1.2 1.8	
-1.4 -1.7 8.3 1.9 -1.3 1 1.7 1.4 -1.2 -1.2 1.3 1.5 -1.1 -1.6 1.5 -1.8 1.4 1.5 1.2 1.2 -1.4	
1.1 2.6 1.6 -1.1 1.1 1.1 1.4 1.5 1 1.6 -1.1 1.4 1.4 1.4 1.6 2 1.1 -1.1 1.8 1.4 1.1 1.5 -1	
-2.2 1.2 2.6 1.9 -1.5 -3.3 -2.2 2.3 1.7 -1.1 1.2 -1.2 1.2 -1.9 1.7 1.1 1.2 1.6 1.2 -1.6	
-1.6 -3.4 4.5 2.6 -1 -1.7 -2.6 1.9 -1.8 -3.3 -1.8 -1.1 -2.7 1.1 -1.9 -1.9 -2.6 -1.6 -1.7 -2.5 -1.7 1.1	
1.4 0 -3 -1.2 2.1 1.2 -1.6 -2.2 1.7 2.6 -1.4 2.4 -1.9 0 -1 1.1 1.1 1.1 1.2 1.2 1.5 -1.7 4	
1.7 -3 -5.5 1.1 1.3 1.4 -2.9 -1.8 7.6 4.8 -1.2 2.4 -1.1 2.3 2.7 1 1.9 -1.5 1.6 -1.7	
-1.1 4.4 2.3 3.7 3.2 3.4 3.6 -2.8 -1.5 1.2 -1.5 1.2 1.1 1.9 -1.5 1.6 -1.1 1.5	
2.8 1.1 3.1 1.5 -1.5 2.7 2.9 1.3 1.3 2.9 1.5 1.3 -1.1 1.8 1.1 1.2 1.8 -1.1 1.5 1.1 -1.3 1.6	
1.6 1.1 3.6 -1.1 6.2 1.3 2.8 2.7 1 1 -1.3 1.4 1.4 -1 -1 1.3 -1.3 1 1.4 -1.6 -1.6 -1.2 -1.1 0	
3.4 1.3 6.2 1.2 -2.2 2.7 2.1 1.2 -1.4 2.3 1.6 2 1.1 -1.2 1.3 1.7 1.9 1.4 1.7 1.7 1.4	
5.8 4.2 1.1 1 3.2 3.4 13.4 3 1.1 1.2 2.3 1.3 1.3 1.1 -3.7 -1.1 1.4 1.9 1 1.5 1.3 3.3 6.5	
-1.3 -1 4 1.3 -1.2 3.1 2.7 -1.4 -1.2 -1.1 1.2 1.9 -1 -1 1.6 1.2 -1.5 -1.1 1.2 -1.3 1.4 1.3	
4.7 2.5 3.4 1.2 -2.4 1.8 2.4 1.3 1.3 1.7 2.7 2.3 1.3 1.7 1.2 1.1 -1 1.9 1.6 1.1 1.3 1.3 4.1 1.8	
1.7 1.1 2.2 -1.4 -1.5 3.4 1.4 1.1 1.3 1.7 2.7 2.3 1.3 1.7 1.2 1.1 -1 1.9 1.6 1.1 1.3 1.4 1.4	
-2.2 -3.2 -2.3 -1.2 -2.2 -1.2 -2 -1.9 -1.7 -1.3 -2.4 -1.1 -2.8 -1.8 -1.2 -1.9 -2.5 -3.2 -1.8 -1.7	
1.6 1 -2.1 1.8 -1.2 1 -1.2 -1.2 -1.4 1.1 -1.5 -1.1 -1.6 -1.4 1.1 -1.4 1.1 2.5 1.5 -1.4	
-1.1 1.2 -1.7 -1 -1.5 -1.1 1 -1.6 -1.4 1.1 -1.6 -1.4 1.1 -1.4 1.1 2 0 -1.5 -1.4	
1.6 -2.8 1.9 1.6 -1.5 -1.5 -1.1 1 -1.3 -1.4 1.2 1.6 1.2 -1.8 2.2 1.3 1.2 -1.2 -1.3 -2.2 -1.2	

Figure 4

CloneID	Discriminatory Weight	DCIS Grade	DCIS178	DCIS179	DCIS176	DCIS12	DCIS44	DCIS65	DCIS30	DCIS88	DCIS180	DCIS57	DCIS45	DCIS14	DCIS102	DCIS193		
2460159	4.63	-1.5	-1.8	-1.6	-2	-2	-1.1	-1.7	-1.3	-1.1	1.7	1.5	2	1.7	2.2	2.8	2.2	
358151	2.88	-2.6	-2.3	-1.9	-2	-2.2	-1.8	-2.1	-2	-1.1	1	-1.5	1.4	-1.1	1.3	1.1	1.4	
795382	2.77	-1.5	1.7	-2.2	-3.5	-1.5	-1.9	-2.4	-4	-3.7	2.6	1	2.7	2.1	3	2.4	3.1	
714472	2.68	-2.2	1.1	-1.2	-1.5	-1.8	-1.4	-2.7	-2.9	-2.5	1.3	1.6	1.4	1.6	1.6	1.1	1.3	
725649	2.64	-1.8	-2.5	-1.9	-3.8	-2.1			-2.5	-13.4	-4.6	2.4	4.2	-1.5	5.4	4.5	8.1	2.7
512118	2.62	-1.6	-2.4	-1.5	-1.7	-1.8	0	-1.7	-1.8	-1.2	1.3	1.2	1.6	1.2	1.2	1.2	2.1	
504959	2.58	-1.7	-4	-7.6	-1.9	-2.5		-4.6	-5.5	-2.3	2	5.8	3.1	-2	1.8	2.7	4.4	
647397	2.53	-3	-3.2	-6.5	-10.4	-5.8	1.2	-5.2	-15	-7.3	-1.8	3.3	3	-1.4	3	3.9	2	
814815	2.42	-1.3	-2.9	-4.8	-3	-2.9		-2.7	-2.2	-2.6	1.2	1.4	2.2	1	1.5			
279720	2.41	0	-1.6	-2.1	-1.8	-1.2	-1.3	-1.3	-2.5	-1.1	1.4	1.3	1.4	1.7	1.3	-1	1.8	
298231	2.41	-3.2	-1.2	-1.3	-1.8	-1.7	-2	-3.5	-6.8	-2.5	1.3	2.2	2.4	-1	0	1.4	2.1	
172783	2.33	-1.9	-1.1	-1.7	-2.1	-1.7	-1.5	-2.1	-1.1	-2.3	1.1	1.3	1.5	1.1	-1.2	1	1.1	
261609	2.31	-1.7	-3	1.1	1.1	-2.3	-1.4	-1.7	0	-1.2	4	2.9	3.9	-1.4	4.5	2.5	2	
826668	2.30	-2.2	-1.4	-1.5	1.2	-1.8	-2.3	-2.2	-1.3	1	-1.2	1.5	1.7	1.6	1.4	1.4	1.8	
1493383	2.26	-1.2	-1.5	-2.2	-1.8	-2.1	-1.2	-1.6	-2.6	-1.7	1.2	1	2	2	1	-1.3	-1.1	
2017756	2.24	-1.1	-4.9	-2	-4.2	-2.4	-1.2	-1.2	-3.7	-1.9	-2.7	1.6	2	2	1	-1.3	-1.1	
1455566	2.18	-1.1	-1.5	-1	-2	-1.2	-1.2	-1.3	-1.4	-1.2	2	-1.3	1.7	1.9	1	1.1	2.6	
725321	2.17	-2.3	-26.5	-13.1	-1.5	-3.9	1.5	-10.3	-6.3	-2.8	-9.7	-3.7	1.5	1.8	2.3	1.5	3.1	
180561	2.14	-4.2	-3.3	-19.8	-3.3	-5			-13.5	-9.7	-3.7	1.5	1.8	-2.5	2.1	-2	-1.1	
32050	2.12	-4.6	-2.2	-4.2	-1.4	-1.7	1.6	-3.2	-6.4	-1.2	2.4	2.2	-1.2	1.3	4.6	2.5	2.8	
215000	2.12	-1.4	-1.2	-2.7	-1.3	-2	-1.2	1	-3.3	-1.4	1.1	1.2	1.4	1.6	2	2	1.3	
2019750	2.10	-1.9	-1.6	-2.5	-1.4	-3.1	1.1	-1.3	1	-2.4	1.5	3.8	1.7	1.1	1.6	4.7	1.1	
283124	2.09	-3.2	-2.3	-4	-2.1	-2.8	-1	-3	-5.8	-2.5	1.2	1.1	1.2	-1.5	-1	1.5	1.2	
490615	2.06	-2.6	-2.1	-9	-1.6	-1.9	-2.7	-1.7	-1.2	-3.2	1.5	1.2	1.7	-1.6	1.9	1.4	1.6	
666138	2.06			-2	-1.4	-1.8	-2.3	-2	-2.1	1.5	-1.1	2.1	1.6	1.9	1.4	1.6	2.6	
418129	2.05	-1.7	-1.8	-3.3	-1.3	-1.4	1	-1.3	-1.9	-2.1	-4.3	1.8	4.3	1.8	2.2	-1.3	6.9	
1733262	2.05	-1.7	-1.7	-2	-1.7	-1.4	2.5	-2.1	-4.3	-1.3	1.1	1.1	1.3	1.5	2.4	-1.2	-1.4	
1588791	2.04	-1.4	-1.1	-2.7	-2.3	-2	-1.7	-1.7	-1.9	-3.7	-3.4	-1.2	1.3	1.5	2.5	2	2.1	
461761	2.04	1.3	-3.8	-2.4	-3	-1.3	-1	-1.6	-1.6	-1.6	1.3	2.5	2.2	2.2	2	0	1.5	
1031592	1.99	-2.7	-1.2	-3.5	-1.1	-1.9	-1.1	-2.7	-1.8	-1.3	-1.3	1.4	-1	1.5	1.6	1.5	1.5	
126415	1.98	-2.7	-1.3	-2.2	-2.4	-1	-2.3	-2.5	-1.7	-1.5	-1.5	1.4	1.3	1.1	-1.1	1.1	1.5	

28643	1.97	-1.2	-1.8	-2.4	-2.2	-1.3	-1.5	-2	-3.8	-1.5	-1.4	1.3	1.2	1.6	1.1	1.1	-1.3	1.4	
470261	1.92	-2.9	-1.6	-1.5	2.3	-1.6	1.1	1	-1.4	1.1	2.2	-1.2	2.6	3.4	4.1	4.1	3.7	2.6	
1630990	1.92	-1.5	-1.4	-4.8	-2.1	-3.6	-1.4	-3.5	-2.2	-2.7	1.2	1.5	1.1	1.2	-1.1	-2.1	-1		
810981	1.91	-1.5	-1.2	-4.1	-1.5	-1.7	-1.5	-3.4	1	-1.5	1.5	1.5	2.8	1.4	1.1	1.1	-1.2	1.5	
767495	1.91	-3.5	-9.4	-1.3	-4.7	1.1	-1.6	-1.4	-2.5	-2.3	2.6	1.3	3.2	-1.5	2.6	-1.1	3.1	1.7	
767176	1.90	-2.1	-1	-2.8	1.2	-2.1	-1.6	-1.1	-2.4	-1.9	-1.1	-1.1	1.7	3.2	1.3	1.5	1.5	1.7	
1572196	1.89	-1.2	1.4	-2.2	-2.8	-1.7	-2.8	-3.3	-2.1	4.8	-1.3	3.5	-1	6.1	1.4	1.4	8.5		
1706635	1.88	-1	1.4	-1.5	-1.4	-1.5	0	-3.7	-1.6	-1.8	1.7	1.2	2.3	1.2	2.6	2.2	2.2	1.1	
186301	1.84	-1.3	-1.3	-3.4	-1.2	-2.5	5.8	-2.9	-1.9	-2.7	4.4	3	6.8	-1.4	5.1	3.8	6.4		
726703	1.84	1.1	-1.8	-4.5	-1.3	-1.9	6.3	-4.1	-2.9	4.3	3	3.8	-1.2	2	1.4	1.4	1.4		
214205	1.84	-2.8	-3.2	-5.4	-3.2	-3.3	2.2	-1.3	-2.8	-1	1.4	1.1	2.3	-1.2	4	5.1	2.8		
784178	1.82	-1.3	-1.5	-2.2	-2	-1.8	-10.6	-4.3	-3	-1.4	-1.6	-1.1	-1.1	1.6	1.1	3.3	3.5		
346902	1.82	-2.1	-2	-2.2	-2	-1.6	-2.2	-1.2	-1.8	-1.6	-1.1	-1.4	-1.4	1.2	-1.1	1.5	1	1.1	
1367678	1.82	-1.6	-1.4	-1.5	1.1	-1.7	-1.1	-1	-1.4	-2.5	1.1	1.1	1.2	-1	1.4	-1	1.5		
190059	1.80	-2.5	-1.9	-1.8	-3.5	-2.2	-3.4	-1.5	-2	-1.8	1.4	1.1	1.5	-1.5	-2.4	1.7	1.7	-1.3	
1456937	1.80	1.1	-1.8	-1.1	-1.8	-1.2	-2.5	-1.9	-4.3	1.1	2.1	-1.6	3	1.5	2.5	1.6	1.6		
45578	1.79	-2.9	-1.3	-2	-2.2	1.1	1.1	-2.4	-1.7	-3.4	1.4	1.1	1.2	1.2	-1.1	1.1	1.1	1.5	
248631	1.77	-1.6	-2	-1.6	-3.4	-3.7	-1.8	-4.9	-2.6	-5.6	-1	-1.1	-1.5	1	-1.2	-2.2	1.4		
1562231	1.77	-1.2	-1.2	-1.6	-1.5	-1.4	6.3	1.4	-1.6	-2.4	1.4	1.2	1.1	1.3	1.7	1.8	1.8		
154466	1.75	1.2	-1.1	-1.9	1.2	-1.7	6.3	-1.7	-1.6	-1.5	1.2	1.5	1.6	2.3	1.1	1.1	1.5		
2524445	1.74	-1.1	-2.8	-1.9	-1	-1.7	-1.1	-1.5	-1.7	-2.8	1.1	-1	1.8	2.4	-1.2	1	1		
277266	1.73	-1.6	-1.3	-1.8	-1.4	-1.8	-1.5	-1.2	-1	-1.3	-1.3	-1.3	-1.3	1.4	1.4	2	2.2		
741891	1.73	-1.1	-1	-4.4	-1.9	-1.3	1.2	-1.3	-2.8	-1.1	2	-1.4	2.2	1.2	2.1	2.7	1.8		
206217	1.72	-2.1	-1.5	-2.3	-1.7	-3.9	6.3	1.1	1	-3.1	-1.1	1.1	2	1.5	1.3	-1.2	2		
2028876	1.71	-2	-2.2	-4.3	-1.3	-1.8	1.1	-1.5	-3.5	-1.4	1	-3.6	-1.2	2.6	2	2.2	1.4	1.5	
730036	1.71	-1.5	-1.2	-2.7	-2	-3	1.4	-1.4	-4.7	6.3	-2.1	1.5	3.1	2.7	-1.3	4.6	2.1	4.8	
1558233	1.70	1.9	-1.6	-1.5	-1.6	-1.5	1.3	-1.5	-2.7	-3	-1.8	-1	1.3	-1.4	-1.3	-1.1	1.7	1.5	
502518	1.70	-3.4	-1.5	-6	-2.2	-1.7	1.1	-1.5	-3.5	-1.4	1	-3.6	-1.2	2.6	2	2.2	1.4	1.5	
356835	1.70	-2.3	-1.4	-2.7	-2.1	-2.3	1.4	-1.9	-3	-3.4	1.5	-1.5	-1.2	-1.5	-1.2	1.9	1.2	1.5	
744994	1.69	-2.2	-1.2	-1.5	-1.5	-1.3	1.6	1	-1.4	-1.2	-1.2	-1.2	2.1	3.1	1.2	1.4	1.3	2.1	
810358	1.69	-2.8	-1	-3.6	-2.5	1.1	-1.1	-1.9	-1.5	-3.2	-1.3	-1.8	1.3	-1.6	1.1	-1	-1.1	1.1	
813854	1.69	-2.3	-2.5	1.1	-1.2	-1.4	-1.5	-1.5	-1.3	-2.1	-1.2	1.1	1.5	1	1.5	1	-1		
768043	1.69	-1.4	-1.2	-1.4	-1.4	-1.5	-1.5	-1.3	-2.1	-2.3	-2.4	-2.4	-3	-1.4	-1.4	-1.2	1.3	-1.5	
264632	1.66	-1.4	-1.6	-1.3	-1.5	-1.3	-4.2	-2.4	-2.4	-3	-1.4	1	1.2	2.1	-1.2	-1.2	1.3	1.2	
505243	1.66	-1.1	-1.4	-1.8	-2.3	-1.7	6.3	-1.7	-1.7	-1.7	-2.7	-3.3	-1.1	-1.3	1.1	1.4	-1.4	-1.1	
344073	1.66	-1.1	-1.8	-2.8	-1.3	-1.2	1.4	-2.7	-2.7	-3.3	-1.1	-1.1	-1.3	1.1	1.4	1.3	2.2	1.7	
343760	1.64	-1	1.1	-4	-2.2	-1.6	-4.3	-2.1	-6.9	-4.2	-4.2	-1.6	-1.1	-1.3	-1.4	2.1	-1.5	2.6	

471196	-1.1	2.3	1.3	-1.9	-1.2	-1.7	-1.7	2.1	1.7	2.4	1.7	2.1	-1.2	-5.8	-4.6	-5
753215	-2.00	2	1.4	2.8	-1	-1.1	-1.1	-2	-2.1	-1.1	-1.4	-1.1	-4	-4.1	-4.6	-5
869375	-1.98	2.5	1.3	5.7	1.6	1.8	1.8	-1.1	-1.4	-1.4	-1.4	-1.1	-1	-1.1	-2.7	-2.7
842818	-1.98	1.3	1.3	1.5	1.6	1.4	1.4	-1.1	-1.1	-1.4	-1.4	-1.3	-1	-3.1	-3.1	-3.1
229579	-1.98	1.3	1.6	1.6	2.7	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-1.3	-1	-1.1	-1.1	-1.1
1916461	-1.97	1.1	1.2	-1	1.3	1.8	1.8	-1.1	-1.6	-1.6	-1.6	-1.2	-2	-1.5	-1.4	-1.4
129294	-1.97	1.8	2.4	2.2	1.5	1.6	1.6	-1.1	-1.2	-1.4	-1.4	-1.1	-1	-1.2	-1.2	-1.2
789376	-1.97	1.9	2.3	1.8	2.1	1.6	2.3	1.1	1.7	2.8	2.9	-1.2	-1.3	-1.6	-2.7	-2.7
1897302	-1.97	1.1	1.6	1.3	1.1	2	-1.1	-1.1	-1.3	-1.4	-1.4	1.1	-1.8	-1.7	-1.7	-1.6
951117	-1.96	1.3	2.1	2.2	2.6	2.1	1.7	1.4	1.4	1.4	1.4	-1.1	-1.1	-1.1	-1.3	-1.3
1642496	-1.95	1.6	2	1.8	1.3	1.7	2.1	1.4	1.4	1.4	1.4	-1.1	-1.1	-1.1	-1.5	-1.5
591465	-1.93	-1	2.5	2.2	2	1.2	3.7	2	3.7	1.9	2.3	1.4	1.1	-1.1	-1.5	-1.5
149355	-1.90	2.1	2.1	2.1	1.5	2.3	-1.1	-1.1	-1.3	-1.6	-1.4	-1.1	-2	-2	-2	-2
259950	-1.90	1.5	1.6	4	1.1	1.2	-1.1	-1.1	-1.3	-1.6	-1.4	-1.1	-1.7	-1.5	-1.8	-1.8
897770	-1.89	1.8	1.1	3.6	2.3	1.5	3.4	2.2	7	1.6	2.2	-1.1	-1.3	-1.1	-1.2	-1.2
878798	-1.88	1.2	1	-1.7	2.9	1.5	3.5	2.9	4	2.1	-1.9	-3.1	-1.6	-2.5	-1.5	-1.5
746229	-1.87	1.7	4.6	2.1	3	1.9	-1.1	1	2.2	-1.1	-1.3	-1.1	-1.4	-1.1	-1.7	-1.7
624867	-1.86	2.3	4.4	4.1	2.3	1.9	1.8	1.3	-1.4	1.3	1.7	-1.1	-1.1	-2.2	-2.2	-2.2
504308	-1.86	1.5	1.6	13.3	2.3	2.2	-1	-1.4	2.7	2.3	-1.3	-1.5	-1.7	-1.3	-1.3	-1.3
727251	-1.86	1.2	1.4	1.3	1.6	2.2	-1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
897774	-1.85	-1.2	2.7	1.1	1.6	1.3	3	-1.1	-1.1	1.6	1.6	-1.2	-1.3	-1.4	-1.6	-1.6
1901310	-1.84	1.6	1.6	1.9	5.3	1.9	2.6	2.2	-1.1	1.3	4.7	1.7	1.2	-1.6	-1.6	-1.6
292936	-1.84	1.6	1.6	1.3	1.6	1.3	1.6	1.6	-1.1	1.1	2.8	1.6	-1.1	-1.3	-1.3	-1.3
1518591	-1.84	2.2	1.9	3.8	1.8	2.4	1.7	0	-1.1	1.5	8.4	1.5	1.5	-1.1	-1.1	-1.1
321354	-1.81	1.1	1.6	1.8	1.4	1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
1903066	-1.81	1.7	1.6	1.8	1.8	1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
235180	-1.80	2.4	1.5	2.1	1.9	1.9	1.5	1.5	-1.1	1.3	15.5	1.3	1.4	-1.2	-1.2	-1.2
740604	-1.80	3.3	1.8	0	1.8	1.2	1.9	1.9	-1.1	1.4	2.7	0	-1.2	-1.2	-1.2	-1.2
233464	-1.80	2.7	1.8	1.4	1.4	1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
951241	-1.80	2.5	2.4	1.4	1.4	1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
1587847	-1.79	-1.4	4.1	3.3	2.4	1.7	2.4	1.7	-1.1	1.3	1.7	1.7	-1.1	-1.1	-1.1	-1.1
624390	-1.78	-1.6	2.4	1.7	2.3	1.7	2.3	2.3	-1.1	1.4	2.2	2.2	-1.1	-1.1	-1.1	-1.1
128711	-1.78	2.5	1.5	1.5	1.5	1.5	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
308633	-1.77	1.9	1.8	2.5	1.3	1.8	1.5	1.5	-1.1	1.2	2.3	2.3	-1.1	-1.1	-1.1	-1.1
884425	-1.76	1.2	1.3	1.8	2.3	1.9	1.5	1.5	-1.1	1.3	2.2	2.2	-1.1	-1.1	-1.1	-1.1
745394	-1.76	1.7	1.5	1.4	1.2	1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
852829	-1.76	2.3	2.3	1.7	2.3	1.7	2.3	2.3	-1.1	1.2	1.2	1.2	-1.1	-1.1	-1.1	-1.1

377368	-1.60	1.9	-1	1.2	1.3	1.8	1.7	1.1	1.5	2.7	-1.5	1.6	1	-1.1	-1.5	-1.5	-1.7
1506046	-1.59	1.1	2.5	2	1.3	2.2	3.4	-1.1	2.2	-1	-1.4	1.2	1.4	-1.9	-1.1	-1.5	-1.5
814270	-1.59	1.5	1.7	4.2	1	1.4	1.2	2.6	1.5	2.2	-1.2	1.9	-1.2	-1	-1.4	-1.5	-2.5
1604703	-1.59	-1.4	2.7	1.9	4.2	1.8	1.8	1.3	1.7	1.1	-1.2	-2	-1	-1.1	-3.1	-3.3	
234736	-1.58	1.6	2	1.4	1.4	1.6	1.2	1.3	1.9	2	-1	3.7	-1.8	1.7	1.5	-1.7	-2.7
429182	-1.57	1.6	-1.2	1.1	1.8	-1.2	1.5	1.5	1.9	1.1	2.4	-3.8	-1	-1.4	-2.1	1.1	-1.8
826355	-1.57	1.8	6.3	-1.2	3.7	4.4	1.2	1.9	2.3	-1.3	-1.5	-1.3	1.4	-1	-1.8	-1.9	-1.9
34149	-1.57	1.2	1.5	2.2	2.1	1.5	1.8	1.8	1.2	2.1	-1.1	-1.3	-1.6	1.2	1.1	1.4	1.4
746190	-1.56	2.3	1.1	1.6	1.5	1.4	1.1	1.1	1.1	1.7	1.7	-1.2	1.3	-1	-1	1.1	-1.4
131091	-1.56	1.9	1.8	1.8	1.8	1.8	1.8	1.8	2.1	1.4	1.9	-1.1	2.2	-1	1.2	-1.3	1.2
665384	-1.56	1.4	2.2	3.1	2.5	2.2	2.2	-1.5	1	1.5	-1.1	1.4	1	-1.5	-1.5	-1.5	-1.4
625683	-1.55	1.4	2.1	2	1.3	1.2	1.5	-1.1	1.4	-1.1	-1.2	-1.6	1.2	1.2	1.1	1.1	-1.8
1582738	-1.54	3.5	1.6	1.1	2.1	1.9	-1.7	4.8	-1.1	3.2	1.1	-1.2	-1.2	-1.1	-2.1	1.1	1.1
949988	-1.54	-1.7	-1	2.3	1.1	1	1.9	1.6	3.4	-1	-1.1	-1.6	-1.8	-3.1	-3.1	-3.1	
133213	-1.54	1.7	1.3	1.8	1.1	1.8	1	1	-1.4	1.2	-1.1	-1.4	-2.1	2.1	2.1	2.1	-2
1660666	-1.54	1.6	1.9	2.3	2	3.6	1.2	-1.1	-1.3	2.1	-1	1.1	0	0	0	0	-2
713158	-1.54	1.8	1.9	2	1.7	1.8	1	1	1.4	-1.4	-1.1	-1.4	-2.1	-2.1	-2.1	-2.1	-2
1614140	-1.53	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	-1.5	2.1	1.1	-1.4	-1	-1.6	-1.6	-2.9
201890	-1.53	1	-1.5	2.4	1.1	-1.1	1.3	1.3	6.2	1.2	1.6	-1.7	-2.7	-1.6	-1.6	-1.7	-1.7
38925	-1.53	6.5	-1	1.1	1.6	2.6	-1.1	-1.1	-1.3	2.1	5	-2.6	-1.5	-2	-1.8	-1.9	-1.8
511850	-1.53	2.1	1.3	1.1	1.3	1.7	1.5	-1	1.1	1.1	1.1	-1.6	1	1.2	-1.6	-1.1	-1.5
489489	-1.52	-1.8	2	3.1	1.8	1.5	1.5	1.2	1.9	1.9	-1.8	-1.9	-1.7	-1	-4.5	1.1	1.1
825470	-1.52	2.2	-1.1	5.3	1.6	1	2.6	1.6	5.7	9	-1	1.3	-2.3	-1.3	1.1	1	-1.7
42831	-1.51	-1.3	3.6	3.6	2.3	1.3	3.6	1.8	3.4	2.3	-1.3	2.4	-1.3	-1.7	-1.1	1.5	-2.4
809784	-1.51	1.1	-1.5	9.4	1.5	1.1	4.3	3.1	1	-1	-1.9	-1.9	-1.1	-1.5	-4.2	-2	-1.4
730410	-1.51	-1.4	1.1	1.1	1.9	1.1	-1.6	2.2	4.3	1.4	1.2	-1.4	-1.8	-1.5	-4	-3.5	-3
810983	-1.51	1.9	2.8	2.2	1.3	1.2	-1.3	-1.3	1.6	-1.3	-1.6	-1.3	1.1	-1.4	-2.2	-1.4	-1.6
731223	-1.51	2.4	2	2.1	1.2	2.1	-1.7	1.1	-1	1.3	1.2	-1	-1.4	-1.7	-2.1	-1.5	-2.8
259017	-1.51	2.1	1.3	1.3	1.3	2	4.2	2.3	3.9	2	1.5	1.2	1.1	-1.5	-1.6	-1.2	1.8
340745	-1.50	2.1	2.4	1.9	1.8	1.8	1.3	-1.2	-1.2	1.2	-1.4	-1.6	-1.7	-1.3	-1.7	1.2	
746163	-1.50	1.2	1.7	2.7	1.9	1.8	1.7	1.3	1.7	2.1	2.1	-1.1	-1.2	1.9	1.2	-1.3	1.2
1466621	-1.50	1.6	1.1	1.4	2.1	1	1.2	1.3	-1.4	3.6	-1.3	1.1	-2.1	1	-2.6	-1.3	-1.5
809588	-1.50	1.1	1.2	2	1	-1.1	1.1	3.5	2.5	2.5	-6.2	1.5	-1.6	-3.8	1.5	-2.1	-2.2
813707	-1.49	1.2	1.9	1.3	1.3	1.9	5.4	3.2	1.3	1.9	-1.3	-1.1	-1.1	-1.1	-1.1	-1.1	-1.5
188335	-1.49	1.5	-1.4	1	1.5	1.1	-1.4	1.9	2.7	-1.3	-5.3	-4	-1.1	-1.1	-2.7	-3.5	-2.6
1493160	-1.49	1.1	15.9	8.9	1.9	10.2	1.7	45.9	83.6	1.3	1.9	-1.5	1	-1.3	-1.4	-1.4	-1.4
531886	-1.48	1.5	-1.3	1.2	1.5	-1.2	1.8	2.1	5.6	1.1	1.5	-1.4	-1.6	-1.7	-2.2	-3.3	-3.3

753428	-1.48	1.1	1	12.6	1.1	2.8	-1.2	-1.7	-1.5	-1.4	-1.5	-4.1	-4.7
897731	-1.48	1.1	1	-1.5	-1.2	1.1		1.1	2.7	1.5	-1.5	-1.3	-1.4
376551	-1.48	2.1	1.7	1.5	1.3	1.5	1.2		-1.1	2	1.3	-1.4	-2.7
256907	-1.48	2.6	1.5	1	1	1.7	-1.2	4.4	1.2	3	1.1	-1.7	-1.4
712139	-1.47	-1.7	2.1					-1.2	-1.2	-3.3	-1.7	-1.5	-1.9
785368	-1.47	2.3	1.6	10.3	1.2	1.7	3.2	1.5	2.2	2.5	2.5	-1.7	-1.5
825606	-1.47	1.5	1.6	5.6	-1.5	1.9	1.1	1.5	1.7	-1.3	-1.4	-2.1	-1.4
531319	-1.47	1.6	1.9	4.1	2.1	-1.1	4.3	1.1	5.5	-1.4	-3.9	-1.1	-3.1
66406	-1.46	1.4	1.7	8.4	1	1.3	2.7	2	3.8	1.6	-1.7	1.1	-1.5
470124	-1.46	1.1	1.8	-1		1.1	1.8	1	2.6	2.2	-1.5	-1.4	-2.4